

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of KUROITA, et al.  
 Serial No. Not Yet Assigned  
 Filing Date Herewith  
 Title MODIFIED THERMOSTABLE DNA POLYMERASE

**PRELIMINARY AMENDMENT**

Please amend the above-identified application as follows:

**In the claims:**

Please amend the following claims:

- 0035333660
17. (Amended) A recombinant DNA vector obtained by inserting the gene of claim 13 into an expression vector.
19. (Amended) A transformant produced by transforming a host cell with the recombinant DNA vector of claim 17.
22. (Amended) A method for amplifying or extending nucleic acid, which comprises reacting DNA as a template, one or more kinds of primers, dNTP and the thermostable DNA polymerase of claim 1, thus extending the primer(s) to synthesize DNA primer extension product(s).
26. (Amended) A reagent kit for amplifying nucleic acid, which comprises 2 kinds of primers, each of the primers being complementary to a DNA extension product of the other primer; dNTP; the thermostable DNA polymerase of claim 1; magnesium ion; at least one of monovalent ions selected from the group consisting of ammonium ion and potassium ion; BSA (bovine serum albumin); a nonionic surfactant and a buffer solution.
27. (Amended) A reagent kit for amplifying nucleic acid, which comprises 2 kinds of primers, each of the primers being complementary to a DNA extension product of the other primer; dNTP; the thermostable DNA polymerase of claim 1; magnesium ion; at least one of monovalent ions selected from the group consisting of ammonium ion and potassium ion; BSA (bovine serum albumin); a nonionic surfactant; a buffer solution and an antibody capable of suppressing at least one activity selected from polymerase activity and 3'-5' exonuclease activity of the thermostable DNA polymerase.

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 H. G.  
 11/24/8

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